

Converting Colors

$Y_{xy}(78.7400, 0.4077, 0.3187)$

Have a look what the booklet for
Yxy(78.7400, 0.4077, 0.3187)
contains.

Yxy(63.3671, 0.3543, 0.3157)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.3671, 0.3543, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	FFC0CD
RGB	255, 192, 205
RGB Percent	100%, 75%, 80%
CMY	0.0000, 0.2471, 0.1961
CMYK	0.00, 0.25, 0.20, 0.00
HSL	348°, 100%, 88%
HSV	348°, 25%, 100%
XYZ	71.1149, 63.3671, 66.2374
YIQ	212.3190, 33.3750, 17.3990

Conversions

Conversions Part 2

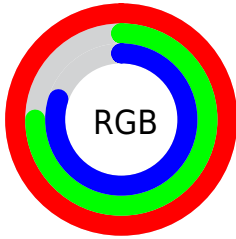
Format	Color
R _Y B	255, 192, 205
Decimal	16761037
CIE Lab	83.64, 24.46, 2.32
CIE LCh	84, 24.566, 5.421
Yxy	63.3671, 0.3543, 0.3157
Android (android.graphics.Color)	4294951117 (0xFFFFC0CD)
YUV	212.3190, -3.6083, 37.4312
Hunter-Lab	79.6035, 20.1594, 6.3877

Details

The Yxy color $63.3671, 0.3543, 0.3157$ is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be $89.1369, 0.2828, 0.3428$, and the grayscale version is $66.0669, 0.3127, 0.3290$.

A 20% lighter version of the original color is $96.2314, 0.3130, 0.3233$, and $32.2816, 0.3642, 0.3119$ is the 20% darker color. If you saturate the color by 10%, you get $52.2060, 0.3783, 0.3100$, and if you desaturate by 10%, it is $76.5914, 0.3348, 0.3213$.

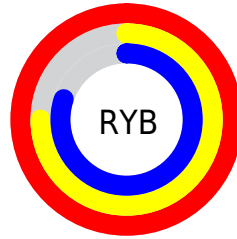
Distribution



Red (100%)

Green (75%)

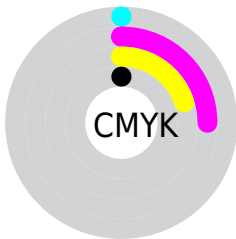
Blue (80%)



Red (100%)

Yellow (75%)

Blue (80%)

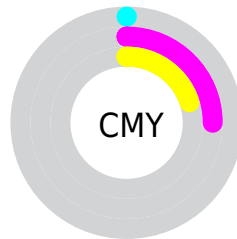


Cyan (0%)

Magenta (25%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (25%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3671, 0.3543, 0.3157 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 63.3671, 0.3543, 0.3157 by changing the saturation by 10% instead.

 63.3671, 0.3543,
0.3157

 63.3671, 0.3543,
0.3157

436.9005, 0.3345,
0.3221

 46.1383, 0.3590,
0.3142


 109.6990, 0.3473,
0.3180

 32.3549, 0.3648,
0.3122


139.5707, 0.3446,
0.3189

 21.6327, 0.3723,
0.3097


174.4256, 0.3423,
0.3196

 13.5873, 0.3823,
0.3063

214.6480, 0.3404,
0.3203

 7.8342, 0.3964,
0.3014

260.6223, 0.3386,
0.3208

 3.9890, 0.4174,
0.2940


312.7329, 0.3371,

 1.6674, 0.4522,


0.3213


0.2813


371.3642, 0.3357,
0.3218


 0.4024, 0.5927,
0.2416


 0.0000, 0.0000,
0.0000


 63.3671, 0.3543,
0.3157

 63.3671, 0.3543,
0.3157

 52.2060, 0.3783,
0.3100


 76.5914, 0.3348,
0.3213

 43.0080, 0.4074,
0.3047

 91.9809, 0.3190,
0.3266

 35.6573, 0.4419,
0.3003

100.0000, 0.3127,
0.3290

 30.0281, 0.4811,
0.2976

■ 25.9786, 0.5227,
0.2978

■ 23.3441, 0.5626,
0.3016

■ 21.9233, 0.5960,
0.3089

■ 21.5135, 0.6099,
0.3134

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.3671, 0.3253, 0.2940



63.3671, 0.3543, 0.3157



63.3671, 0.3720, 0.3413

Triad

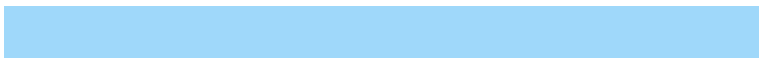
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.3671, 0.3543, 0.3157



63.3671, 0.3292, 0.3832



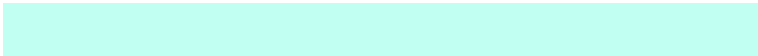
63.3671, 0.2559, 0.2894

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.3671, 0.3543, 0.3157



89.1369, 0.2828, 0.3428

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.3671, 0.2569, 0.3119



63.3671, 0.3543, 0.3157



63.3671, 0.2982, 0.3682

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3671, 0.3543, 0.3157



63.3671, 0.3567, 0.3814



63.3671, 0.2720, 0.3412



63.3671, 0.2691, 0.2786

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.3671, 0.3543, 0.3157



63.3671, 0.3744, 0.3579



63.3671, 0.2720, 0.3412



63.3671, 0.2546, 0.2957

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.3656, 0.3543, 0.3157



88.2562, 0.3224, 0.3254



63.6803, 0.3054, 0.2653



18.6848, 0.3233, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3656, 0.3543, 0.3157



57.2080, 0.3664, 0.3127



71.0837, 0.3606, 0.3475



18.0484, 0.3262, 0.3241



11.2584, 0.6063, 0.3114



1.1111, 0.5762, 0.2948

Inverse Universe

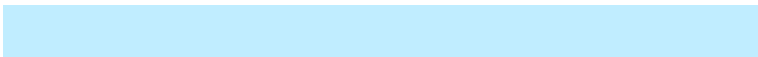
The Inverse Universe completely reimagines the original color for something new.



63.3656, 0.3543, 0.3157



57.2080, 0.3664, 0.3127



79.0809, 0.2746, 0.3097



18.0484, 0.3262, 0.3241



11.2584, 0.6063, 0.3114



1.1111, 0.5762, 0.2948

Previews

White Background



This preview shows how the Yxy color 63.3671, 0.3543, 0.3157 looks on a white background.

Color Contrast Check

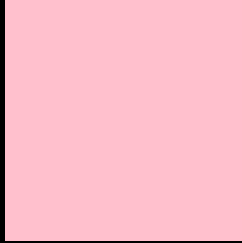
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 63.3671, 0.3543, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

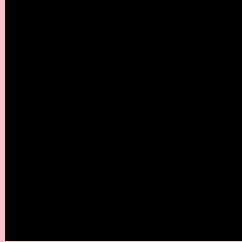
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3671, 0.3543, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 63.3671, 0.3543, 0.3157.



This preview shows how white text looks on a background with the Yxy color 63.3671, 0.3543, 0.3157.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

63.3671, 0.3543, 0.3157

Protanopia

63.8157, 0.3108, 0.3222

Deuteranopia

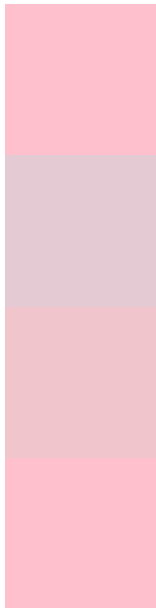
63.5418, 0.3347, 0.3280



Tritanopia

63.4643, 0.3526, 0.3137

Trichromacy



Original Color

63.3671, 0.3543, 0.3157

Protanomaly

63.2751, 0.3256, 0.3191

Deuteranomaly

63.2731, 0.3418, 0.3226

Tritanomaly

63.4155, 0.3535, 0.3147

Monochromacy



Original Color

63.3671, 0.3543, 0.3157

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.7601, 0.3275, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3671, 0.3543, 0.3157 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 192, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 192, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 205) }
```

Border

The CSS property to change the border of an element to Yxy 63.3671, 0.3543, 0.3157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 192, 205) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 192, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 192, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3671, 0.3543, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
192, 205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor